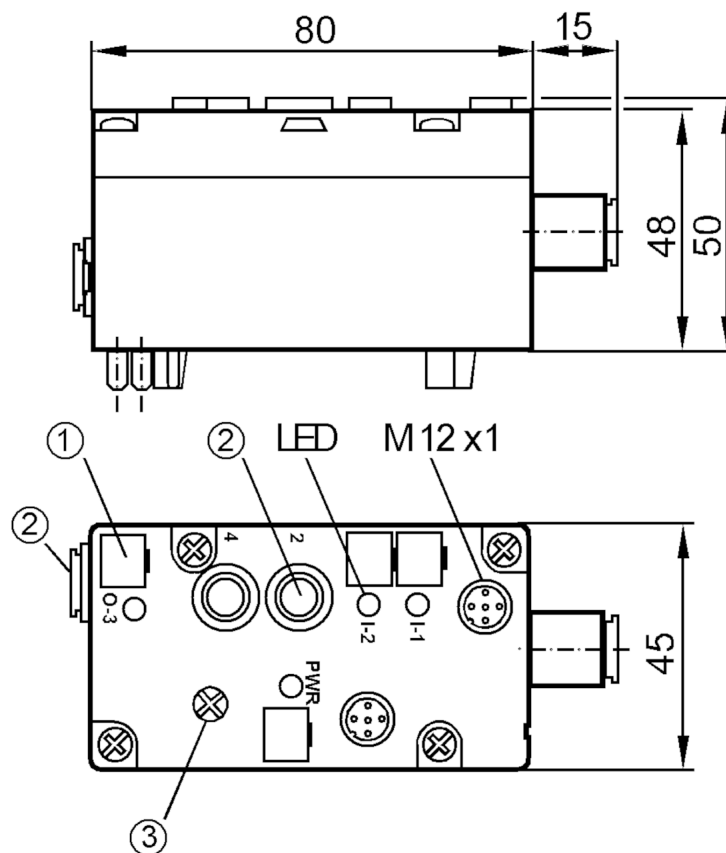




AS-Interface AirBox

Airbox 2DI 1PO M12 V2A



- 1 panel for labelling
 2 tube connection Ø 8 mm
 3 screw for manual override



Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	165
Integrated watchdog		yes

Inputs

Number of digital inputs		2
Input circuit of digital inputs		PNP
voltage supply	[V]	20...30
Max. total current rating of inputs	[mA]	100
Input current High	[mA]	> 3
Input current Low	[mA]	< 1.5
Min. switching level high signal	[V]	10
Digital inputs protected against short circuits		yes
Sensor supply of the inputs		AS-i



AS-Interface AirBox

Airbox 2DI 1PO M12 V2A

Outputs					
Electrical design	AS-i				
Number of pneumatic outputs	1				
Operating conditions					
Ambient temperature	[°C]	0...55			
Note on ambient temperature	with special compressed air treatment: < 0 °C				
Protection	IP 67				
Tests / approvals					
EMC	EN 50295				
AS-i classification					
AS-i profile	S-3.F				
AS-i I/O configuration	[hex]	3			
AS-i ID code	[hex]	F			
AS-i certificate pending	yes				
Assignment of the data bits	data bit	D0	D1	D2	D3
	Inputs / outputs	I-1	I-2	O-3	not used
Mechanical data					
Weight	[g]	250			
Type of mounting	AS-i interface to FC lower parts				
Materials	housing: PBT; metal parts: stainless steel (1.4305 / 303); Sealing: FKM				
Pneumatic system	one 4/2-way seat valve				
Operating pressure range	[bar]	3...8			
Operating pressure range	[MPa]	0.3...0.8			
Note on working pressure range	incl. possible pressure peaks				
Air flow at 6/5 bar	[l/min]	500			
Air flow at 6/0 bar	[l/min]	700			
Permissible compressed air	filtered (5 µm); lubricated (ISO-VG10) or not lubricated				
Tube fittings	Legris LF 3000/8				
Exhaust	exhaust can be discharged through tube connection				
Displays / operating elements					
Display	operation			LED, green	
	function			LED, yellow	
Accessories					
Accessories (optional)	silencer, E75232				
Remarks					
Remarks	Notes on compressed air and EMC/ESD at www.ifm.com				
Pack quantity	1 pcs.				



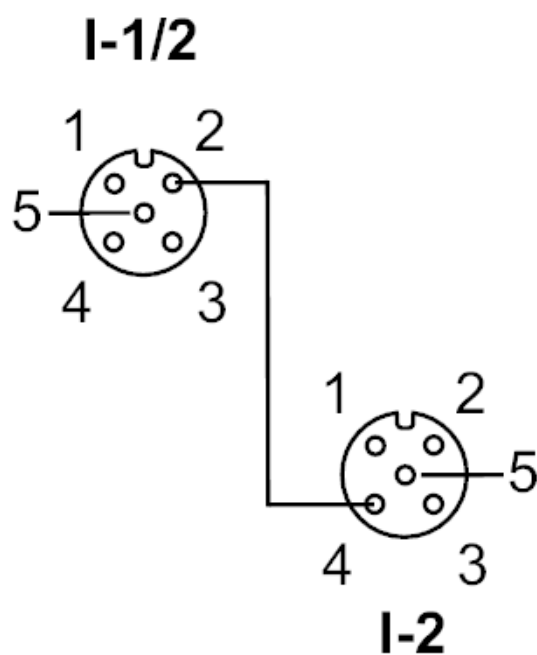
AS-Interface AirBox

Airbox 2DI 1PO M12 V2A

Electrical connection

contact pins to module lower part, FK / PG:

Connection



	input
	socket I-1/2
1	Sensor supply L+
2	data input 2
3	Sensor supply L-
4	data input 1
5	not used
	socket I-2
1	Sensor supply L+
2	not used
3	Sensor supply L-
4	data input 2
5	not used